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the temperature of the bar is between five and six hundred degrees of Farenheit, the magnetism is not only marked at the time, but is in a great degree permanent. Samples were stated to have been examined, which had been broken for several years, and to be still in the same magnetic state in which they were at the moment of fracture.

In order to prove what part of the effect in the foregoing instances, was due to the earth's magnetic influence, the proving machine which produced the fracture, was changed in position, so as to place the bar, in proving, directly across the magnetic meridian, instead of coinciding with it as before. In this case no polarity was observed, whether the bars were broken cold or hot, except some slight indications in a direction across the breadth of the bar at the point of fracture.

MEETING OF BUSINESS,

JANUARY, 25TH, 1842.

VICE PRESIDENT MORTON in the Chair.

Reports of Committees.—The Committee to whom was referred Mr. S. S. Haldeman's paper on two new species of the genus of Perca, reported in favour of publication in the Journal.

The committee on Mr. Conrad's memoir on New Species of Silurian and Devonian fossils, with geological observations,—and a second memoir on the Contemporaneousness of the Middle Cretaceous strata of the United States with the Faxoe limestone of Europe, reported in favour of publication in the Journal.

The Corresponding Secretary's report was also read and adopted.

The Society then by a unanimous vote, conferred a Life Membership on Mrs. L. W. Say, elected a member October 26th, 1841.

On motion the committee on the Proceedings of the Society was instructed to republish 250 copies of No. 1.

The Society then proceeded, in conformity with a provision of the By-laws, to elect Standing Committees on the different branches of Science, and a Library committee for the present year; whereupon the tellers reported the following result:

MINERALOGY AND GEOLOGY.

J. Price Wetherill,
William S. Vaux,
T. A. Conrad,
A. D. Chaloner, M. D.
Joseph A. Clay,
W. R. Johnson, A. M.

ZOOLOGY.

S. G. Morton, M. D.
William S. Vaux,
John S. Phillips,
Edward Hallowell, M. D.
Robert Pearsall,
Edward Harris,
George C. Leib, M. D.

BOTANY.

James Read,
W. S. Zantzinger, M. D.
Robert Bridges, M. D.
Gavin Watson, M. D.
John Simmons.

PHYSICAL SCIENCE.

Edmund Draper,
Isaiah Lukens,
P. B. Goddard, M. D.
W. R. Johnson, A. M.
John S. Phillips.

LIBRARY.

S. G. Morton, M. D.
R. Bridges, M. D.
Henry F. Leib, M. D.
J. S. Phillips,
Joseph Carson, M. D.